

## AM WORKSHOPS 8:00-12:00

### 1. Microstation SS3- Beginner: Steve Rick- Bentley Systems

This workshop contains exercises that cover the basics of Microstation, such as using the interface, working with the tools, creating new DGN files, getting information about elements, and measuring elements. We will also cover some tips and tricks to make Microstation even easier to use.

### 2. Trimble Business Center: Holly Urbain and Bob Kilburn- Seiler Instrument

This workshop will include classroom demonstrations along with hands on computer exercises. We will cover Trimble Business Center (TBC) software basics like project setup, software options and TBC tools. Together we will import surface and alignment data from CAD using SML and perform QC, discuss auto line work and attributes and over ways to import, edit and compute field work. TBC reporting and exporting options will also be covered.

### 3. OpenRoads Geometry: Lisa Whitson- Bentley Systems

This hands-on workshop provides introductory training for the creation, manipulation, and annotation of new horizontal and vertical geometry in Bentley civil SELECT series 3 products. Can you live without dialogs and menus? Learn to use these new intuitive, context-sensitive vertical geometry tools. For all Bentley civil users.

### 4. Corridor Modeling: Components, Templates and End Conditions: Chuck Lawson- Bentley Systems

This hands-on workshop teaches an overview of templates and end conditions. Users learn the inner workings of templates and their capabilities, as well as how to apply end conditions with templates. For all intermediate Bentley civil users.

## PM WORKSOPS 1:00-5:00

### 5. Microstation 3D Beginner: Steve Rick- Bentley Systems

Get started in 3D! In this hands-on workshop you will be introduced to the basic concepts of working within a 3D design environment. Covered in this workshop will be basic 3D navigation, working with models, terrain models, view types, reference files, dynamic views and visualization.

### 6. Bentley Civil Survey- NDOR Standards: Bill Baird- NDOR and Bob Rolle- Bentley Systems

This hands-on training teaches the proper Survey Settings in SELECTseries 3 and how to import and edit control points, RAW survey data, and terrain models.

### 7. Complex Terrain Modeling: Lisa Whitson- Bentley Systems

This hands-on training teaches how to efficiently create and modify terrain models resulting from corridor modeling and graphical elements. You will learn how to use the Graphical Filter functionality, the differences between "ruled" and "non-ruled" terrain models, and how rules affect how terrain models can be modified. You will also learn how to incorporate point cloud and other kinds of data into your terrain models.

### 8. Advanced Templating/Linear Templates: Chuck Lawson- Bentley Systems

This advanced workshop studies in-depth: End Conditions, Component Display Rules, Overlay Components, and Linear Templates for modeling of Roadway Corridors.